


ANNUAL REPORT  
OF THE  
MEDICAL OFFICER OF HEALTH,  
TO THE  
BRAMPTON AND WALTON URBAN  
DISTRICT COUNCIL,  
FOR THE  
YEAR 1905.

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# ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

TO THE

**Brampton and Walton Urban  
District Council,**

**FOR THE YEAR 1905.**

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GENTLEMEN,

I have pleasure in presenting my fourteenth Annual Report on the health of your District.

At the middle of 1905 I estimate the population to have been 2700. The births exceeded the deaths by 32. On the other hand some families have removed, a few houses have been empty, and not many

new ones have been erected; so I think the figure given may be taken as fairly accurate.

### **Births and Deaths.**

The number of births registered during the year was 68—35 boys and 33 girls. This is a larger number than we usually have, and gives a birth-rate of 25·1 per thousand per annum. One birth took place in the Workhouse that should be credited to us, and adding it, we get a corrected birth-rate of 25·5.

The deaths registered numbered 32—14 males and 18 females, giving an annual death-rate of 11·8 per thousand. Of persons belonging to our District 2 died in the Workhouse, 1 in the Chesterfield Hospital, and 1 in the Sheffield Royal Hospital. On the other hand, at the Childrens' Home one death took place, and this should be credited to Hasland as the boy was admitted from that place. If we add the former and deduct the latter we get a corrected death-rate of 12·9.

As to the causes of death, I here give the usual rough classification :—

#### *Zymotic or Specific Febrile Diseases :*

Enteric Fever ...	...	...	...	...	...	...	2
Epidemic Diarrhœa ...	...	...	...	...	...	...	1

#### *Constitutional Diseases :*

Phthisis ...	...	...	...	...	...	...	2
Cancer ...	...	...	...	...	...	...	2

*Local Diseases :*

Alimentary	...	...	...	...	...	...	...	1
Respiratory	...	...	...	...	...	...	...	4
Circulatory	...	...	...	...	...	...	...	11
Urinary	...	...	...	...	...	...	...	1
Various ...	...	...	...	...	...	...	...	6

*Developmental Diseases :*

Premature Birth	...	...	...	...	...	...	...	1
Old Age	...	...	...	...	...	..	...	1

As usual, the two ends of life contribute by far the greatest number of deaths. The ages at which death occurred range from 15 hours to 85 years. No fewer than 12 deaths (about one-third of the total) took place at or over the age of 65 years. A glance at the Table will show that 4 deaths were due to respiratory diseases, giving a respiratory death-rate of 1·4 per thousand ; while 2 deaths were occasioned by Phthisis, giving a tubercular death-rate of ·7 per thousand.

**Infantile Mortality.**

We had a comparatively large number of infantile deaths during the year. Last year we had a similar experience. Ten children died under the age of 1 year, giving an infantile mortality rate of 147. A new Table giving the ages and the causes of death of these infants is appended. It will be seen that only one died from what may be considered a preventable cause, namely, diarrhœa. This is a satisfactory feature although it is to be regretted that with such a low birth-rate so many of our infants should have died.



## Dairies, Cowsheds and Milk-Shops Orders.

In my Quarterly Report read at your July meeting I brought this matter prominently to your notice. I produced model bye-laws, as drawn up by the County Council, for your consideration. I asked you to obtain copies so that each member might individually study the subject: but you allowed the question to drop. I would again bring it to your notice, and refer you to what I said in my last year's Report. The subject is a large and important one, and sooner or later you will have to grapple with it.

## Infectious Diseases.

Measles has been very prevalent in many places, and our District has not escaped. At the Walton School in September the attendance dropped almost to nothing from this cause, and I gave an Order to close the School for three weeks.

We had a similar experience at the Wigley School in October, where also it was necessary to close the School for a month.

Of notifiable infectious diseases only 11 have occurred. These were:—

Small-pox ...	...	...	...	...	...	...	...	1
Typhoid Fever	...	...	...	...	...	...	...	2
Diphtheria	...	..	...	...	...	...	...	2
Scarlatina	...	...	...	...	...	...	...	6

The small-pox case occurred at Cutthorpe. The patient was a girl who worked at a Mill in the Borough, and I have no doubt she caught the infection outside our district. At the time there were a good many cases in Chesterfield. The case was promptly recognised and removed to the Hospital at Newbold. All the other inmates of the house who would submit were re-vaccinated, as were also those who had been in contact. I am pleased to say that no other cases followed. An inspection of the Row where this patient lived brought to light some insanitary defects. This matter your Inspector has had in hand, and I believe the houses may now be considered in a good condition.

As already stated, one of the Typhoid cases occurred at the Childrens' Home in Ashgate Road. The boy was ill when admitted, and I have no doubt the infection was caught outside. The other case was that of a woman at Walton. Here no cause could be found for the outbreak. The drain in the farm-yard was found to be stone-built, and your Inspector is giving orders for this to be taken up and a proper one of glazed pipes put in its place.

Of the Scarlatina cases 4 occurred at Cutthorpe, and 2 at Eastmoor. All were of a mild type, and it was unnecessary to order their removal to the Hospital.

The diphtheritic cases were also of a mild character. One was at Holymoorside : a girl who had

come from Chesterfield to stay there for a few weeks. The other was at Cutthorpe near the Sewage Farm. This is the second case we have had to deal with there. The house stands on the slope of a hill, and the back part of it is earthed up on the outside wall to a much higher level than the inside floor. The result is dampness—and dampness of an objectionable character, for immediately behind the house is a farm-yard where pigs are kept, and where manure is deposited, with no attempt at drainage. Unfortunately the boundary line of your district divides the two places, so that, while the farm-yard is in Newbold, the house is in our District. Some friction has been occasioned by this complication. I met, with your Inspector, the Newbold Medical Officer of Health and his Inspector, to see if some arrangement could be come to. Your Sewage Farm is the only place into which this farmyard could be drained, and you were unwilling to allow this to be done without an acknowledgement. Ultimately the tenant agreed to pay 10s. per year for the right to drain, and I understand an agreement has been signed to that effect.

In each case of infectious disease visits have been paid by your Inspector and myself, and disinfectants have been supplied when necessary. Afterwards the houses have been disinfected.

### **Sewage Works.**

I have made numerous visits to the Sewage Works at both Cutthorpe and Holymoorside. At the



latter place things are very much in the same condition as when I last reported. Nothing more has been done during the year to render the beds more efficient. When I have examined the effluent I have always found the result fairly satisfactory. This good result we probably owe to the dilute nature of the sewage, as our method of feeding the beds, as I have often pointed out, is not the best.

At Cutthorpe the Sewage farm is in a disgraceful condition. The walls and fences have been allowed to fall into a state of bad repair, and so much rubbish has been deposited that the place looks more like a marine store than a sewage farm. I understand your present care-taker is under notice, and that his engagement terminates in March. I would suggest that your Inspector with the aid of the roadmen take the work of looking after it into their own hands. As you are aware, very little sewage comes down to the Farm, and what we did get found its way into some old pit workings and disappeared, in this way relieving the beds of any duty. Quite recently, however, the owner of the adjoining property has begun to excavate for coal, and the pipe which conveyed the sewage has probably accidentally been made up. In any case we cannot allow the sewage to go in its old course if this man continues to work the coal. It must be passed over the beds if the present conditions are to become permanent. After waiting a time, I would suggest that two proper filtering beds should be put down, similar to what we have at Holymoorside.

## **Water Supply.**

Some complaints were made in the summer about the quality of the water at Walton. Unfortunately the deep water of this district is of poor keeping quality, although otherwise good. Very soon green vegetation grows in it, and this sometimes finds its way into the pipes, dies, gives off a smell, and makes the water objectionable in appearance. The same difficulty is experienced with the water from the bore-hole at Linacre, and Whispering Well water. Last year the Water Board covered in the Reservoir at Walton to exclude the light, and thus retard this vegetable growth; but I think the work was not completed early enough in the year to get much benefit. Later on some lime was put in, and I think it would be well to do this again, but earlier in the season, before the trouble begins.

I was able to announce in my last Annual Report that, after protracted negotiations, the Agreement between your Council and the Chesterfield Water Board had been signed, thus enabling the Water Board to take the surplus water at Whispering Well, and ensuring a pipe supply for practically the whole of your District. The Board has three years in which to complete the work. Up to the present pipes have been laid from Holymoorside to Brampton Moor, from Chanderhill Lane to Wadshelf, and from Mr. Shewbrook's house to the policeman's house at Old Brampton. Gas pipes have also been laid as far as Mr. Nicholson's houses.

During the summer and autumn, there was great scarcity of water in the Chesterfield district, and the Water Board thought it necessary to pump water from the stream at Brookside into the mains. The quality of this water was most objectionable, but it was improved by filtration. Your inspector and myself rendered the Board what aid we could by finding out and removing some sources of pollution up the stream.

### **Slaughter-Houses, Factories, and Workshops.**

The Slaughter-houses have been regularly visited by your Inspector, and all of them are in a satisfactory condition.

We have very few workshops in our District, and those are in a very small way of business. They have been visited and found to comply with the requirements of the Act. Still a few are not on the Register, and I have asked your Inspector to see to this matter.

I think this Report may be considered satisfactory. The death-rate is low, and the general health of the District has been good—particularly so in the latter half of the year. During the last three months of the year only one death—that of a child—was registered.

With a District which will shortly have such an excellent water supply, and which has so many other desirable features, I think we may look forward to



increased building activity in the near future. Improved trade only is required to see Baslow Road built up. Walton and Holymoorside also deserve the attention of builders as excellent residential districts.

Dr. Barwise in his Annual Report gives as the requirements of your District :—

1. The enforcement of the Dairies, Cowsheds and Milkshops Orders.
2. Revolving arm for the sewage treatment at Holymoorside.

Appended are the usual Tables. There is also a summary of the useful work done by your Inspector of Nuisances. Mr. Nicholls when first appointed was certainly new to the work, and had much to learn ; but by assiduous attention to his duties he has qualified himself by experience, and I think the time has now come when the Local Government Board ought to sanction his re-appointment.

I am, Gentlemen,

Your obedient Servant,

JAMES A. GOODFELLOW.

February 21st, 1906.

## REPORT BY SANITARY INSPECTOR.

GENTLEMEN,

In submitting my Annual Report I would like to say that good progress has been made in the sanitary improvement of your District during the year. Numerous defects of a smaller nature have been remedied, and on a large number of homesteads the drains have been thoroughly overhauled, and many of them replaced by properly trapped sanitary pipes.

All nuisances complained of with the exception of three, have been abated; and of these the work in connection with two of them is in progress, while the other will be attended to in the course of a few days.

At present the district is free from infectious disease.

I am,

Gentlemen,

Your obedient servant,

W. J. NICHOLLS.

21st February, 1906.



TABLE I.

Vital Statistics of whole District during 1905 and previous Years.  
BRAMPTON AND WALTON URBAN DISTRICT.

YEAR	Population Estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT					TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT					DEATHS OF NON-RESIDENTS REGISTERED IN PUBLIC INSTITUTIONS IN THE DISTRICT		DEATHS OF RESIDENTS REGISTERED IN PUBLIC INSTITUTIONS BEYOND THE DISTRICT		NET DEATH AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate	Under 1 Year of Age		At all Ages		Total Deaths in Public Institutions in the District	Deaths of Non-Residents Registered in Public Institutions in the District	Deaths of Residents Registered in Public Institutions beyond the District	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
				Number	Rate per 1000 Births Registered	Number	Rate												
																			5
1	2	3	4	5	6	7	8	9	10	11	12	13							
1895	2532	68	26.8	7	102	32	12.6		..	..	32	12.6		..	32	12.6			
1896	2700	71	26.2	9	126	37	13.7		..	..	37	13.7		..	37	13.7			
1897	2700	69	25.5	3	43	30	11.1		..	..	30	11.1		..	30	11.1			
1898	2700	63	23.3	4	63	28	10.3		..	..	28	10.3		..	28	10.3			
1899	2700	80	29.6	11	137	31	11.4		1	..	30	11.1		..	30	11.1			
1900	2700	64	23.7	3	46	28	10.3		2	..	26	9.6		..	26	9.6			
1901	2702	59	21.8	9	152	37	13.6		..	..	37	13.6		..	37	13.6			
1902	2710	76	28.0	6	78	31	11.4		..	5	36	13.2		5	36	13.2			
1903	2720	46	16.9	4	86	27	9.9		..	2	29	10.6		2	29	10.6			
1904	2700	50	18.5	9	225	40	14.8		..	1	41	15.1		1	41	15.1			
Averages for years 1895-1904		64	24.0	6	105	32	11.9				32	12.0			32	12.0			
1905	2700	68	25.1	10	147	32	11.8	1	1	4	35	12.9			35	12.9			

Area of District in Acres (exclusive of area covered by water) 10,102.  
Total population at all ages, 2698. Number of inhabited houses, 541.  
Average Number of persons per house, 4.9.

### TABLE III.

#### CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT. AT AGES—YEARS.						
	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.
Small-pox	1	...	...	...	1	...	...
Cholera	...	...	...	...	...	...	...
Diphtheria	2	...	...	2	...	...	...
Membranous Croup	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...
Scarlet Fever	6	...	...	4	2	...	...
Typhus Fever	...	...	...	...	...	...	...
Enteric Fever	2	...	...	1	...	1	...
Relapsing Fever...	...	...	...	...	...	...	...
Continued Fever...	...	...	...	...	...	...	...
Puerperal Fever...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Totals	11			7	3	1	

Isolation Hospitals { Small Pox Hospital, Newbold.  
Penmore Hospital, Hasland.

**TABLE IV.****BRAMPTON AND WALTON URBAN DISTRICT.**

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1905.

CAUSES OF DEATH.	Deaths in whole District at subjoined ages.						
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Small-pox	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..
Diphtheria and Membranous Croup	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..
Fever { Typhus	2	..	..	1	..	1	..
Enteric	..	..	..	..	..	..	..
Other continued	..	..	..	..	..	..	..
Epidemic Influenza	..	..	..	..	..	..	..
Cholera	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..
Diarrhœa	1	1	..	..	..	..	..
Enteritis	..	..	..	..	..	..	..
Puerperal Fever	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..
Other Septic Diseases	..	..	..	..	..	..	..
Phthisis	2	..	..	..	2	..	..
Other Tubercular Diseases	..	..	..	..	..	..	..
Cancer, malignant disease	3	..	..	..	..	2	1
Bronchitis	4	1	..	..	..	1	2
Pneumonia	2	..	..	..	..	..	2
Pleurisy	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs	..	..	..	..	..	..	..
Alcoholism	..	..	..	..	..	..	..
Cirrhosis of Liver }	..	..	..	..	..	..	..
Venereal Diseases	..	..	..	..	..	..	..
Premature Birth	1	1	..	..	..	..	..
Diseases and Accidents of Parturition	..	..	..	..	..	..	..
Heart Diseases	7	1	..	..	..	2	4
Accidents	..	..	..	..	..	..	..
Suicides	..	..	..	..	..	..	..
All other causes	14	6	..	..	1	3	4
All causes	36	10	..	1	3	9	13

## TABLE V.

## BRAMPTON AND WALTON URBAN DISTRICT.

## Infantile Mortality during the Year 1905.

DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH.	Weeks.			Months.					Total Deaths under One Year.
	Under 1 week.	1-2 weeks.	2-3 weeks.	1-2 months.	3-4 months.	4-5 months.	8-9 months.	10-11 months.	
All Causes (certified) ..	3	1	1	1	1	1	1	1	10
Diarrhoea, all forms ..	..	..	..	..	..	..	..	1	1
Premature Birth ..	..	1	..	..	..	..	..	..	1
Congenital Defects ..	..	..	1	..	..	..	1	..	2
Atrophy, Debility, Marasmus ..	2	..	..	1	..	1	..	..	4
Bronchitis ..	..	..	..	..	1	..	..	..	1
Other Causes ..	1	..	..	..	..	..	..	..	1
	3	1	1	1	1	1	1	1	10

Population (estimated to middle of 1905) ... 2700.

Deaths from all Causes at all Ages ... 32.



# BRAMPTON AND WALTON URBAN DISTRICT.

Area, 10,102.

Population, 2,700.

No. of Houses, 539.

Name of Inspector—WILLIAM JOHN NICHOLLS.

DRAINAGE	CLOSETS AND ASHPITS.	Offensive Accumulations.	Pigsties.	Totals.	Precautions taken by Inspector against Infectious Disease, the Sale of Adulterated Food and Drugs and Unsound Meat, and under the Canal Boats Act.	DWELLING-HOUSES.				SLAUGHTER HOUSES.			WORK-SHOPS.			
						Number Insp'ctd.	Number of Houses Closed.	Number of Infected People.	No. of Houses Disinfected.	Inspections of Work in Progress	Number on Register.	Number of Inspections.	No. of Notices served.	Number on Register.	Number of Inspections.	Total Number of Inspections made.
Defective Traps, Inlets and Drains.	Drains Obstructed	Insanitary Privies and Ashpits.	Insufficient Closet Accommodation.			103		11	7	27	5	21	1	4	10	161
Informal Notices served by Inspector..	18	20	3	41	Houses disinfected after Infectious Diseases.											
Legal Notices served by Authority ..					Method adopted—Fumigation by Sulphur, and Surprise Visits to Slaughter-houses.											
Nuisances Abated ..	16	19	3	38												

Signed, WILLIAM JOHN NICHOLLS.